



020304

02570 U.S. PTO

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

22141 U.S. PTO
10/772141

020304

IN RE APPLICATION OF:

ATTORNEY DOCKET NUMBER

Heon LEE

4366-040241

ENTITLED

**"PHASE-CHANGE MEMORY DEVICE AND
MANUFACTURING METHOD THEREOF"****To MAIL STOP PATENT APPLICATION**Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**EXPRESS MAIL CERTIFICATE**"Express Mail" Label Number EL971283070USDate of Deposit February 3, 2004

I hereby certify that the following attached papers and fees

**LETTER RECOGNIZING ATTORNEYS (2 pp.)
SPECIFICATION, CLAIMS and ABSTRACT (32 pp.)
SEVENTEEN (17) SHEETS OF DRAWINGS**

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and is addressed to the Mail Stop Patent Application, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Nora Ann Pastrick

(Typed name of person mailing paper or fee)

(Signature of person mailing paper or fee)



Application No. Not Yet Assigned
Paper Dated: February 3, 2004
In Reply to USPTO Correspondence of N/A
Attorney Docket No. 4366-040241

Customer No. 28289

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : Not Yet Assigned
Applicant : **Heon LEE**
Filed : Concurrently Herewith
Title : **PHASE-CHANGE MEMORY DEVICE
AND MANUFACTURING METHOD
THEREOF**

MAIL STOP PATENT APPLICATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

LETTER RECOGNIZING ATTORNEYS

Sir:

Enclosed for filing is an informal application for patent as above identified, comprising a specification, claims, abstract and drawings.

Information regarding the sole inventor and the application is as follows:

1. Name and Address of Sole Inventor: **Heon LEE**
122-1205, Grangvill Apt.,
Wolgye-dong, Nowon-gu,
Seoul, 139-956, Republic of Korea.
Citizenship: Korean.
2. Title: **PHASE-CHANGE MEMORY DEVICE AND
MANUFACTURING METHOD THEREOF**
3. Priority Korean Patent Application No. 10-2003-0049898,
filed July 21, 2003,
and
Korean Patent Application No. 10-2003-0062050,
filed September 5, 2003.

Application No. Not Yet Assigned
Paper Dated: February 3, 2004
In Reply to USPTO Correspondence of N/A
Attorney Docket No. 4366-040241

Customer No. 28289

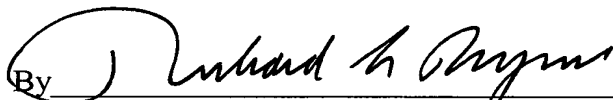
- | | | |
|----|-------------|---|
| 4. | Application | Specification –23 pages;
Claims – 8 pages;
Abstract - 1 page. |
| 5. | Drawings | Seventeen (17) sheets of drawings. |
| 6. | Claims | Twenty-Five (25) claims. |
| 7. | Status | The above-identified applicant is entitled to claim small entity status in the United States. |

Please accept the application for purposes of granting a filing date and recognize Richard L. Byrne, Russell D. Orkin and Paul M. Reznick, Registration Nos. 28,498, 25,363, and 33,059, respectively, as attorneys in this application, pending the filing of a formal Declaration and Power of Attorney and payment of the filing fee. 37 C.F.R. §1.53(f).

Kindly direct all communications relating to this application to **Richard L. Byrne.**

Respectfully submitted,

WEBB ZIESENHEIM LOGSDON
ORKIN & HANSON, P.C.

By 

Richard L. Byrne, Reg. No. 28,498
Attorney for Applicant
700 Koppers Building
436 Seventh Avenue
Pittsburgh, PA 15219-1818
Telephone: 412/471-8815
Facsimile: 412/471-4094